

Automatic Singlechannel Earth Resistivity meter

Power
voltage input from accu/battery 12V

Fuse
have a function in disconnecting the electric current when a short or over current occurs

Switch Button and LED
turning on the device by switching ON/OFF button and LED as an indicator

LCD
used for displaying current, voltage and resistivity values

Control Button
USB (used for injecting voltage for main system approximately from 4 to 6 V)

Measure Button (for starting to measure the data)

Reset Button (removing current data)

**CURRENT (A-B)
AND VOLTAGE INJECTION (M-N)**



Automatic Multichannel Earth Resistivity meter

Cooler

have a function in releasing hot air

Control Button

Fuse (a button for disconnecting the electric current when a short or over current occurs)

USB (used for injecting voltage for main system approximately from 4 to 6 V)

Switch Button (turning on the device by switching ON/OFF button)

Power (voltage input from accu/battery 12V)

CURRENT AND VOLTAGE INJECTION

dual function resistivity meter (singlechannel and 32 channel for multichannel)

Note : For multichannel device, GeoCIPTA acquisition software is needed

ADDITIONAL EQUIPMENT FOR SURVEYING



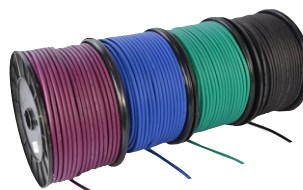
2 Cable Roll for Multichannel (155 meter each)



Electrodes
(32 for Multichannel and 4 for Singlechannel)



2 Hammers



4 Cable Roll
for Singlechannel ABMN (200 meter each)



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Soil Investigation - Mapping - Soil Laboratory
Geophysical Survey - Geotechnical Instruments
Geotechnical Specialist

GEOCIPTA EARTH RESISTIVITY METER

model GBO-4219 and GBO-12819

Automatic Multichannel and Singlechannel Resistivity meter for Geophysical and Geotechnical Survey

This Automatic Earth Resistivity Meter provides excellent and reliable performance in a convenient, robust and fully portable design. Ideally suited for subsoil groundwater prospecting at shallow, medium and great depth, it can also be used for geological stratigraphy, studies of salt water contamination in fresh water layers, landslide monitoring, mineral exploration and archaeological research.

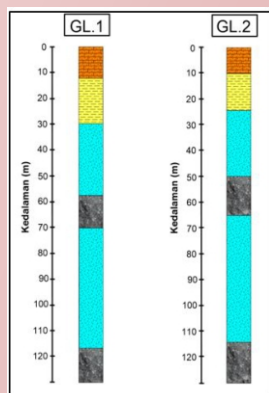
Applications

- Used for resistivity imaging in 1D, 2D and 3D
- Groundwater survey
- Mineral exploration
- Underwater measurement in fresh and salt water
- Geotechnical investigation for cavity investigation, stratigraphy, etc.
- Environmental investigation for soil contamination, sewage leak, etc.

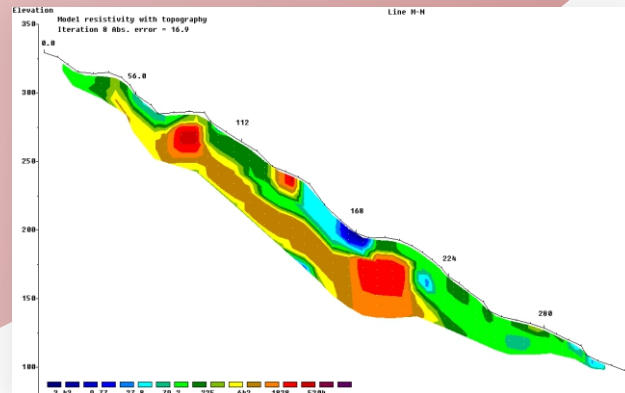
Specification

- Measurement modes : Apparent resistivity, self potential and induced polarization
- Output current : up to 3 A
- Voltage : 600 volt
- Input impedance : 10 Mohm
- Automatic multi-electrodes : Dipole-dipole, Pole-pole, Wenner and Schlumberger
- Power supply : DC power supply
- Maximum penetration : up to 300 meter
- Weight : 3 kg (singlechannel) 10 kg (multichannel)
- Dimension : 30x24x21cm (singlechannel)
62x42x34cm (multichannel)

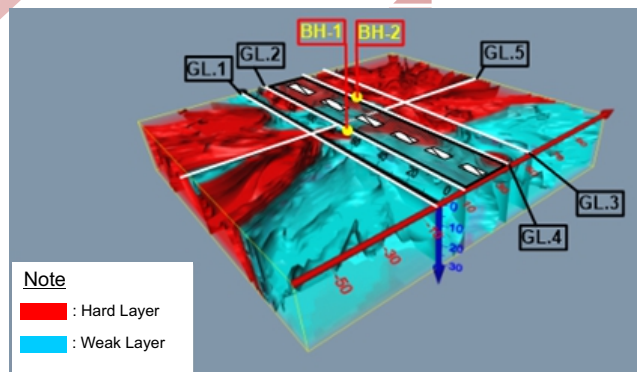
Automatic Resistivity meter Data Processing and Surveying



1-D cross section



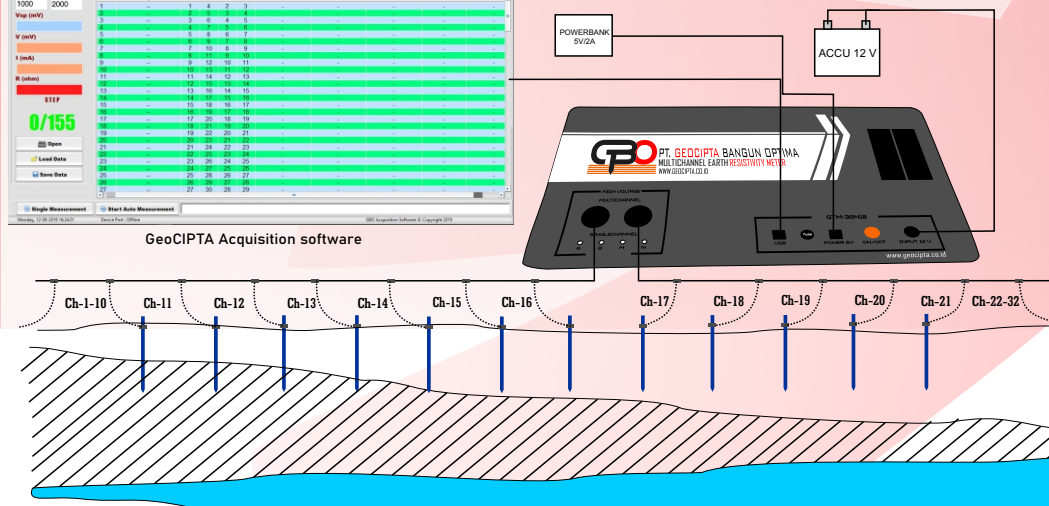
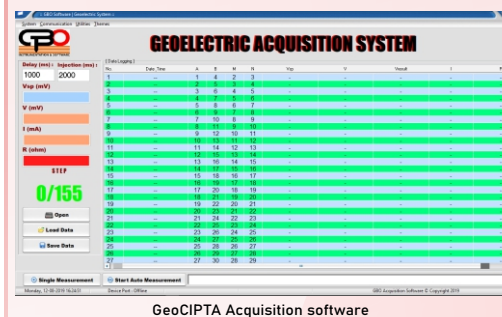
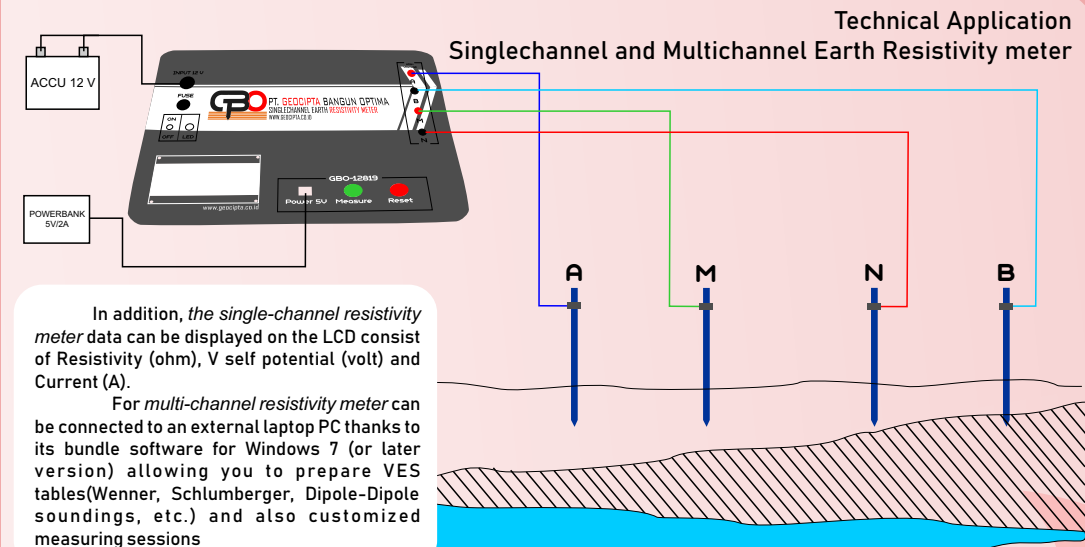
2-D cross section



3-D cross section



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